

CLAIMS

1. A device for controlling flows in a switched network comprising at least one transmitter device and
5 one receiver device linked together through at least one switch (20), in which a virtual link, which is a logical link using at least one physical link, enables information to be sent from a transmitter to at least one receiver, characterised in that each switch (20) contains
10 an allocation table (T), defined statically, which associates a bandwidth with each of the virtual links so as to guarantee a maximum transmission time of an item of information on each virtual link and an allocation such that for every physical link the sum of the bandwidths
15 allocated to the various virtual links using this physical link is less than the bandwidth of this physical link.

2. A device in claim 1, in which the allocation table
20 (T) is such that a bandwidth may be allocated to a set of flows.

3. A process for controlling flows in a switched network, comprising at least one transmitter device and
25 at least one receiver device linked together through at least one switch (20), in which a virtual link, which is a logical link using at least one physical link, allows information to be sent from a transmitter to at least one receiver, characterised in that, in the switch, an

allocation table (T), defined statically, is used, which associates a bandwidth with each of the virtual links so as to guarantee a maximum transmission time of an item of information in relation to each virtual link and an allocation such that for every physical link the sum of the bandwidths allocated to the various virtual links using this physical link is less than the bandwidth of this physical link.

10 4. A process in claim 3, in which the allocation table (T) is such that a bandwidth may be allocated to a set of flows.